

§ 178.3010

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residues cited in paragraph (b)(1) of this section not in excess of 0.5 ppm:

	Food-simulating solvent	Time (hours)	Temperature (degrees Fahrenheit)
Type II .....	Acetic acid, 3 pct .....	48	135
Type V .....	Heptane .....	2	100
Type VI-A ...	Ethyl alcohol, 8 pct .....	24	120
Type VI-C ...	Ethyl alcohol, 50 percent.	24	120

[42 FR 14609, Mar. 15, 1977, as amended at 47 FR 11847, Mar. 19, 1982; 48 FR 7170, Feb. 18, 1983; 48 FR 42972, Sept. 21, 1983; 48 FR 51612, Nov. 10, 1983; 49 FR 8432, Mar. 7, 1984; 50 FR 62, Jan. 2, 1985; 50 FR 3510, Jan. 25, 1985; 50 FR 37998, Sept. 19, 1985; 50 FR 47212, Nov. 15, 1985; 54 FR 24898, June 12, 1989]

**Subpart D—Certain Adjuvants and Production Aids**

**§ 178.3010 Adjuvant substances used in the manufacture of foamed plastics.**

The following substances may be safely used as adjuvants in the manufacture of foamed plastics intended for use in contact with food, subject to any prescribed limitations:

List of substances	Limitations
Azodicarbonamide .....	For use as a blowing agent in polyethylene complying with item 2.1 in § 177.1520(c) of this chapter at a level not to exceed 5 percent by weight of finished foamed polyethylene.
1,1-Difluoroethane (CAS Reg. No. 75–37–6).	For use as a blowing agent in polystyrene.
Isopentane .....	For use as a blowing agent in polystyrene.
n-Pentane .....	Do.
1,1,2,2-Tetrachloroethylene.	For use only as a blowing agent adjuvant in polystyrene at a level not to exceed 0.3 percent by weight of finished foamed polystyrene intended for use in contact with food only of the types identified in § 176.170(c) of this chapter, table 1, under Categories I, II, VI, and VIII.

List of substances	Limitations
Toluene .....	For use only as a blowing agent adjuvant in polystyrene at a level not to exceed 0.35 percent by weight of finished foamed polystyrene.

[47 FR 22090, May 21, 1982, as amended at 58 FR 64895, Dec. 10, 1993]

**§ 178.3120 Animal glue.**

Animal glue may be safely used as a component of articles intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food, subject to the provisions of this section.

(a) Animal glue consists of the proteinaceous extractives obtained from hides, bones, and other collagen-rich substances of animal origin (excluding diseased or rotted animals), to which may be added other optional adjuvant substances required in its production or added to impart desired properties.

(b) The quantity of any substance employed in the production of animal glue does not exceed the amount reasonably required to accomplish the intended physical or technical effect nor any limitation further provided.

(c) Any substance employed in the production of animal glue and which is the subject of a regulation in parts 174, 175, 176, 177, 178 and § 179.45 of this chapter conforms with any specification in such regulation.

(d) Optional adjuvant substances employed in the production of animal glue include:

(1) Substances generally recognized as safe in food.

(2) Substances subject to prior sanction or approval for use in animal glue and used in accordance with such sanction or approval.

(3) Substances identified in this paragraph (d)(3) and subject to such limitations as are provided:

List of substances	Limitations
Alum (double sulfate of aluminum and ammonium, potassium, or sodium).	
4-Chloro-3-methylphenol ( <i>p</i> -chlorome-tacresol) .....	For use as preservative only.
Chromium potassium sulfate (chrome alum) .....	For use only in glue used as a colloidal flocculant added to the pulp suspension prior to the sheet-forming operation in the manufacture of paper and paper board.
3,5-Dimethyl-1,3,5- <i>H</i> -tetrahydrothiadiazine-2-thione .....	For use as preservative only.
Disodium cyanodithioimidocarbonate .....	Do.
Defoaming agents .....	As provided in § 176.210 of this chapter.